

### **Summary**

A method for enhancing the quality of a received acoustic signal, in particular speech signal, wherein the received acoustic signal has been generated by a single microphone (=monaural signal), wherein the received acoustic signal is subjected to an analysis of characteristics is characterized in that the analysis is used to estimate one or more virtual microphone signals, which are parts of the received acoustic signal, and that the one or more virtual microphone signals are used to generate an enhanced quality acoustic signal, in particular with reduced echo and/or reduced reverberation compared to the received acoustic signal. The inventive method is useful for enhancing the quality of a sound signal recorded with one microphone, improving the intelligibility of speech in recordings and improving the reliability of speech control systems.